P R E S S I N F O

# **UNDER EMBARGO UNTIL 11 A.M. ET, WEDNESDAY, APRIL 30, 2025**

# VOLVO CE DEBUTS TWO MID-SIZE ELECTRIC MACHINES IN NORTH AMERICA

PHOTO FROM ACT EXPO

Volvo Construction Equipment is showcasing how it continues to push boundaries in the construction industry with the North American tradeshow debut of its mid-size [L120 Electric wheel loader](https://www.volvoce.com/united-states/en-us/products/electric-machines/l120-electric/) and introduction of the updated [23-ton EC230 Electric excavator](https://www.volvoce.com/united-states/en-us/products/electric-machines/ec230-electric/) at this week’s Advanced Clean Transportation (ACT) Expo in Anaheim, California.

The EC230 Electric excavator and L120 Electric wheel loader are the first medium-sized machines in the [Volvo CE electric lineup](https://www.volvoce.com/united-states/en-us/products/electric-machines/), which also includes three mini excavators, two compact wheel loaders and an asphalt compactor.

“Electric construction equipment is still in its early stages of adoption, and the changes are coming fast as we move into new product types and size classes,” said Dr. Ray Gallant, vice president – sustainability and productivity services at Volvo CE. “The EC230 and L120 electric models give our customers options for applications that require larger machines while delivering the benefits of zero emissions, reduced noise and less machine maintenance.”

The new-generation EC230 Electric is now available for order. The L120 Electric is in pilot testing with customers and is expected to open for orders in late 2025 with early 2026 deliveries.

**Upgraded electric excavator**

The upgraded [EC230 Electric excavator](https://www.volvoce.com/united-states/en-us/products/electric-machines/ec230-electric/) has improved battery performance over the previous generation — with a runtime of seven to eight hours per charge — thanks to its 650-volt lithium-ion battery with a capacity of 450 kWh. Because electric machines shut down when not in use instead of idling, operators can work a full day without interruption in many general-purpose excavation applications.

Fast-charging capabilities allow the battery to charge from 20% to 80% in just one hour with a 250-kW charger.

The EC230 Electric excavator is the first electric model to join the [new series of Volvo CE excavators](https://www.volvoce.com/united-states/en-us/about-us/news/2024/volvo-unveils-major-updates-with-new-series-of-excavators/) introduced in 2024. The upgrades in the next-gen excavators include:

* A revamped cab with more space, comfort and functionality.
* An intelligent electro-hydraulic system enabling smoother, more precise movements of the boom, bucket and other attachments.
* Enhanced safety features and technology like Volvo Smart View with People and Obstacle Classification, providing operators with 360-degree visibility and the ability to distinguish between objects and people.

**New electric wheel loader**

The [L120 Electric wheel loader](https://www.volvoce.com/united-states/en-us/products/electric-machines/l120-electric/) is a 22-ton machine with 6-ton lifting capacity and a recommended rehandling bucket capacity of 5 yd³, giving it performance capabilities nearly identical to its conventional counterpart. It can handle a variety of applications, including infrastructure, waste and recycling, agriculture, forestry, and ports and logistics centers.

Its 282-kWh lithium-ion battery system can run for five to nine hours on a single charge, depending on the application. Charging options include a 50-kW DC mobile charger that will charge the L120 Electric from empty to full in about six hours or a 150-kW DC fast charger that can charge it from empty to full in two hours.

**Volvo Group pushing e-mobility forward**

ACT Expo traditionally is focused on the on-road segment. For the past few years, Volvo CE has exhibited at the show with other Volvo Group brands, including Volvo Trucks, Mack Trucks and Volvo Penta. This year, Volvo CE, Volvo Trucks, Volvo Penta and Volvo Autonomous Solutions hosted a joint news conference to share updates in their business units.

“We collaborate across Volvo Group on sustainable power and share learnings with each other,” Gallant said. “Those insights influence our engineering, help advance charging and much more — ultimately benefiting all of our customers and pushing our industries forward.”

For more information about the Volvo CE electric lineup, visit [volvoce.com/united-states/en-us/products/electric-machines](https://www.volvoce.com/united-states/en-us/products/electric-machines/).

**Key specifications:**

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| **EC230 Electric Excavator** | |
| Operating weight | 47,010–57,690 lbs. |
| Bucket capacity | 0.6–1.88 yd³ |
| Noise level | 68 dB (cab) / 96 dB (external) |
| Lifting capacity, along undercarriage | 11,177 lbs. |
| ... at reach / height | 24 ft. 7 in. / 19 ft. 8 in. |
| Max. digging reach | 32 ft. 10 in. |
| Overall width | 9 ft. 10 in. |
| Battery voltage | 650 V |
| Battery capacity | 450 kWh |
| Indicative runtime (depending on application) | Up to 7–8 hours |

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| --- | --- |
| **L120 Electric Wheel Loader** | |
| Operating weight | 43,431–46,297 lbs. |
| Static tipping load at full turn | 28,660 lbs. |
| Bucket capacity | 4.3–7.2 yd³ |
| Breakout force | 38,667 lbf |
| Rated power | 228 kW |
| Battery voltage | 600 V |
| Installed battery capacity | 282 kWh |
| Indicative runtime (depending on application) | 5–9 hours |

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**Volvo Construction Equipment** (Volvo CE) is a leading international manufacturer of premium construction equipment, and with over 10,000 employees, it is one of the largest companies in the industry. Volvo CE offers a wide range of products and services in more than 140 countries through its global distribution network. Volvo CE is part of the Volvo Group. The Volvo Group drives prosperity through transport and infrastructure solutions, offering trucks, buses, construction equipment, power solutions for marine and industrial applications, financing and services that increase customers’ uptime and productivity. Founded in 1927, the Volvo Group is committed to shaping the future landscape of sustainable transport and infrastructure solutions. The Volvo Group is headquartered in Gothenburg, Sweden, employs more than 101,000 people and serves customers in almost 190 markets. In 2024, net sales amounted to SEK 527 billion (EUR 46 billion). Volvo shares are listed on Nasdaq Stockholm.